

**TRAINER, CENTRIFUGAL PUMP (AURORA), DEVICE 2H132****TRAINING CATEGORY:**

AVIATION (Aircraft Fueling Equipment)

ORIGINATING AGENCY:

DCNO/AIR

SECURITY CLASSIFICATION:

Device 2H132 is unclassified.

PURPOSE:

To demonstrate the operation of the Centrifugal Pump (Aurora) used to pump JP-5 aviation fuels. An actual Aurora pump has the cover removed with the internal flow passages and components color coded for identification. The pump shaft can be rotated by a hand crank to show movement of the impeller.

INTENDED USE:

In Aviation Boatswain's Mate Fuel School for classroom training of enlisted personnel with varying degrees of proficiency in operation and maintenance of the Aurora Centrifugal Pump used to pump JP-5 aviation fuels.

FUNCTIONAL DESCRIPTION:

The trainer is mounted on a structural steel stand complete with rubber tired casters and is an actual Aurora 5MMX5 Type pump for JP-5 service. The upper casing is replaced by a clear plastic cover, exposing the impeller, stuffing boxes, suction and discharge passages, as well as cooling passage. The suction, discharge and cooling passages are color coded to differentiate between areas. A hand crank is provided on the drive shaft for manual operation.

PHYSICAL INFORMATION:

Number of Pieces: One (1) Stand Assembly

Size: 60" High x 34" Deep x 34" Long

Weight: 611 lbs.

DIRECTORY OF NAVAL TRAINING DEVICES

PUBLICATIONS FURNISHED:

Operations and Maintenance Guide, Trainer, Centrifugal Pump (Aurora), Device 2H132, NAVTRASYS-CEN, P-5353-13 (U).

PERSONNEL:

Instructor: One (1), Chief or 1st Class PO graduate of Aviation Boatswain's Mate Fuel School with actual experience onboard an aircraft carrier.

Operator: Instructor-Operated.

Trainees: Class of up to 50

Maintenance: One (1) hour per 100 hour utilization. (Approximately every 2 months of use)

CONTRACT IDENTIFICATION:

Manufactured by United Scale Models Southwest, Inc., Houston, TX under NAVTRASYS-CEN, Orlando, FL Contract No. N61339-86-C-0136.

LOCAL STOCK NUMBER:

6910-LL-C00-6852